

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): SAMUKAWA et al.

Serial No.: 10/694,003

Filed: 10/28/ 2003

Title: **OBSTACLE DETECTION
DEVICE FOR VEHICLE**

Atty. Dkt.: 01-512

Group Art Unit: 3662

Examiner: Bernarr E. Gregory

Commissioner for Patents
U.S. Patent and Trademark Office
220 20th Street S.
Customer Window
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

Date: July 1, 2004

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the references listed on the attached Form PTO-1449 are being brought to the attention of the Examiner without any admission that they constitute statutory prior art, or without any admission that they contain subject matter that anticipates the invention or renders the invention obvious to a person of ordinary skill in the art. The references were cited in the specification, e.g., page 14, line 4 and page 16, line 19.

The Examiner is requested to initial the attached PTO Form-1449 and to return a copy of same to the undersigned attorney as proof that the listed references have been considered and made of record.

As a first Office Action on the merits has been mailed in the above identified application, the fee due under 37 C.F.R. 1.17(p) is enclosed. Please charge any additional fee to Applicant's attorney's Deposit Account No. 50-1147.

07/06/2004 AADDF01 0000004 10694003

01 FC:1806

180.00 OP

Respectfully submitted,

Cynthia K. Nicholson
Reg. No. 36,880

Posz & Bethards, PLC
11250 Roger Bacon Drive
Suite 10
Reston, VA 20190
(703) 707-9110 (phone)
Customer No. 23400

FORM PTO-1440	ATTY. DKT NO. 01-512	SER. NO. 10/694,003
APPLICANT SAMUKAWA et al.		
FILING DATE October 28, 2003		GROUP 3662

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
		5,574,463	Nov. 12, 1996	Shirai, et al.		

FOREIGN PATENT DOCUMENTS

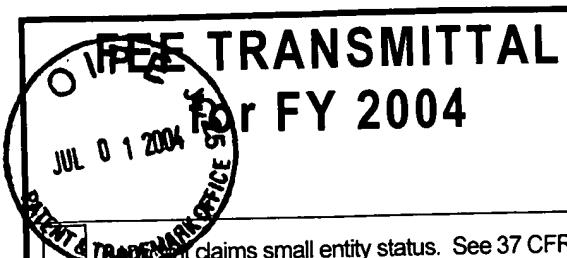
TRANSLATION

		DOCUMENT NUMBER	DATE	COUNTRY	NAME	CLASS	SUB CLASS	YES	NO

* Full English text of the JP Document will be available in machine-translated form from JP (Japanese Patent Office) English language web site at <http://www1.ipdl.jpo.go.jp/PA1/cgi-bin/PA1INDEX>.

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER		DATE CONSIDERED



FEES TRANSMITTAL for FY 2004		Complete if Known		
		Application Number	10/694,003	
		Filing Date	10/28/2003	
		First Named Inventor	SAMUKAWA	
Examiner Name	Bernarr E. Gregory			
TOTAL AMOUNT OF PAYMENT	(\$)	\$180	Group/Art Unit	3662
		Attorney Docket No.	01-512	

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																												
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account Deposit Account Number: 50-1147 Deposit Account Name: POSZ & BETHARDS, PLC				3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Fee Code (\$)</td> <td>Fee Code (\$)</td> <td>Fee Code (\$)</td> <td>Fee Description</td> </tr> <tr> <td>1051 130</td> <td>2051 65</td> <td colspan="2">Surcharge – late filing fee or oath</td> </tr> <tr> <td>1052 50</td> <td>2052 25</td> <td colspan="2">Surcharge – late provisional filing fee or cover sheet</td> </tr> <tr> <td>1053 130</td> <td>1053 130</td> <td colspan="2">Non-English specification</td> </tr> <tr> <td>1812 2,520</td> <td>1812 2,520</td> <td colspan="2">For filing a request for ex parte reexamination</td> </tr> <tr> <td>1804 920*</td> <td>1804 920*</td> <td colspan="2">Requesting publication of SIR prior to Examiner action</td> </tr> <tr> <td>1805 1,840*</td> <td>1805 1,840*</td> <td colspan="2">Requesting publication of SIR after Examiner action</td> </tr> <tr> <td>1251 110</td> <td>2251 55</td> <td colspan="2">Extension for reply within first month</td> </tr> <tr> <td>1252 420</td> <td>2252 210</td> <td colspan="2">Extension for reply within second month</td> </tr> <tr> <td>1253 950</td> <td>2253 475</td> <td colspan="2">Extension for reply within third month</td> </tr> <tr> <td>1254 1,480</td> <td>2254 740</td> <td colspan="2">Extension for reply within fourth month</td> </tr> <tr> <td>1255 2,010</td> <td>2255 1005</td> <td colspan="2">Extension for reply within fifth month</td> </tr> <tr> <td>1401 330</td> <td>2401 165</td> <td colspan="2">Notice of Appeal</td> </tr> <tr> <td>1402 330</td> <td>2402 165</td> <td colspan="2">Filing a brief in support of an appeal</td> </tr> <tr> <td>1403 290</td> <td>2403 145</td> <td colspan="2">Request for oral hearing</td> </tr> <tr> <td>1451 1,510</td> <td>1451 1,510</td> <td colspan="2">Petition to institute a public use proceeding</td> </tr> <tr> <td>1452 110</td> <td>2452 55</td> <td colspan="2">Petition to revive – unavoidable</td> </tr> <tr> <td>1453 1,330</td> <td>2453 665</td> <td colspan="2">Petition to revive – unintentional</td> </tr> <tr> <td>1501 1,330</td> <td>2501 665</td> <td colspan="2">Utility issue fee (or reissue)</td> </tr> <tr> <td>1502 480</td> <td>2502 240</td> <td colspan="2">Design issue fee</td> </tr> <tr> <td>1503 640</td> <td>2503 320</td> <td colspan="2">Plant issue fee</td> </tr> <tr> <td>1460 130</td> <td>1460 130</td> <td colspan="2">Petitions to the Commissioner</td> </tr> <tr> <td>1807 50</td> <td>1807 50</td> <td colspan="2">Processing fee under 37 CFR 1.17(q)</td> </tr> <tr> <td>1806 180</td> <td>1806 180</td> <td colspan="2">Submission of Information Disclosure Stmt</td> </tr> <tr> <td>8021 40</td> <td>8021 40</td> <td colspan="2">Recording each patent assignment per property (times number of properties)</td> </tr> <tr> <td>1809 770</td> <td>2809 385</td> <td colspan="2">Filing a submission after final rejection (37 CFR § 1.129(a))</td> </tr> <tr> <td>1810 770</td> <td>2810 385</td> <td colspan="2">For each additional invention to be examined (37 CFR § 1.129(b))</td> </tr> <tr> <td>1801 770</td> <td>2801 385</td> <td colspan="2">Request for Continued Examination (RCE)</td> </tr> <tr> <td>1802 900</td> <td>1802 900</td> <td colspan="2">Request for expedited examination of a design application</td> </tr> <tr> <td colspan="4">Other fee (specify) _____</td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> </tr> <tr> <td colspan="4">SUBTOTAL (3) (\$)</td> </tr> <tr> <td colspan="4">\$180</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description		Fee Paid	Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	1051 130	2051 65	Surcharge – late filing fee or oath		1052 50	2052 25	Surcharge – late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for ex parte reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1005	Extension for reply within fifth month		1401 330	2401 165	Notice of Appeal		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1451 1,510	1451 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive – unavoidable		1453 1,330	2453 665	Petition to revive – unintentional		1501 1,330	2501 665	Utility issue fee (or reissue)		1502 480	2502 240	Design issue fee		1503 640	2503 320	Plant issue fee		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		1806 180	1806 180	Submission of Information Disclosure Stmt		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))		1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))		1801 770	2801 385	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application		Other fee (specify) _____				*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)				\$180			
Large Entity	Small Entity	Fee Description		Fee Paid																																																																																																																																												
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description																																																																																																																																													
1051 130	2051 65	Surcharge – late filing fee or oath																																																																																																																																														
1052 50	2052 25	Surcharge – late provisional filing fee or cover sheet																																																																																																																																														
1053 130	1053 130	Non-English specification																																																																																																																																														
1812 2,520	1812 2,520	For filing a request for ex parte reexamination																																																																																																																																														
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																																																														
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																																																														
1251 110	2251 55	Extension for reply within first month																																																																																																																																														
1252 420	2252 210	Extension for reply within second month																																																																																																																																														
1253 950	2253 475	Extension for reply within third month																																																																																																																																														
1254 1,480	2254 740	Extension for reply within fourth month																																																																																																																																														
1255 2,010	2255 1005	Extension for reply within fifth month																																																																																																																																														
1401 330	2401 165	Notice of Appeal																																																																																																																																														
1402 330	2402 165	Filing a brief in support of an appeal																																																																																																																																														
1403 290	2403 145	Request for oral hearing																																																																																																																																														
1451 1,510	1451 1,510	Petition to institute a public use proceeding																																																																																																																																														
1452 110	2452 55	Petition to revive – unavoidable																																																																																																																																														
1453 1,330	2453 665	Petition to revive – unintentional																																																																																																																																														
1501 1,330	2501 665	Utility issue fee (or reissue)																																																																																																																																														
1502 480	2502 240	Design issue fee																																																																																																																																														
1503 640	2503 320	Plant issue fee																																																																																																																																														
1460 130	1460 130	Petitions to the Commissioner																																																																																																																																														
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)																																																																																																																																														
1806 180	1806 180	Submission of Information Disclosure Stmt																																																																																																																																														
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																																																																														
1809 770	2809 385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																														
1810 770	2810 385	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																														
1801 770	2801 385	Request for Continued Examination (RCE)																																																																																																																																														
1802 900	1802 900	Request for expedited examination of a design application																																																																																																																																														
Other fee (specify) _____																																																																																																																																																
*Reduced by Basic Filing Fee Paid																																																																																																																																																
SUBTOTAL (3) (\$)																																																																																																																																																
\$180																																																																																																																																																
** or number previously paid, if greater; For Reissues, see above																																																																																																																																																

SUBMITTED BY					Complete (if applicable)	
Name (Print/Type)	CYNTHIA K. NICHOLSON		Registration No. (Attorney/Agent)	36,880	Telephone	(703) 707-9110
Signature			Date	1 July 2004		